IN THE CLAIMS

Please amend Claims 1–10 as follows:

1-3. (Canceled)

4. (Cancelled) A mobile data carrier comprising:

a data-processing circuit that includes asynchronously operating logic elements whose signal-processing rate is dependent on a power supply voltage applied to the data-processing circuit,

a voltage regulator, operably coupled in parallel with the data-processing circuit, that is configured to control the power supply voltage applied to the data-processing circuit, and

a current source, operably coupled in series between the data-processing circuit and a power source, that is configured to provide a supply current to the data-processing circuit and the voltage regulator.

5-6. (Canceled)

7. (Cancelled) The mobile data carrier of claim 4, wherein

the current source is configured to provide a current that is substantially controlled by the power source.

8. (Previously presented) A mobile data carrier comprising:

a data-processing circuit that includes asynchronously operating logic elements whose signal-processing rate is dependent on a power supply voltage applied to the data-processing circuit,

a voltage regulator, operably coupled in parallel with the data-processing circuit, that is configured to control the power supply voltage applied to the data-processing circuit, and

a current source, operably coupled in series between the data-processing circuit and a power source, that is configured to provide a supply current to the data-processing circuit and the voltage regulator, wherein

the current source includes:

a first transistor that includes:

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a gate that is connected to a first node of the power source,

a drain through which a first current flows, and

a source that is connected to a second node of the power source; and

a current mirror that is configured to provide a multiple of the first current as the supply current.

9. (Previously presented) The mobile data carrier of claim 8, wherein

the current mirror includes a second transistor and a third transistor having commonly connected gates.

10. (Cancelled) The mobile data carrier of claim 4, wherein

the current source is configured to provide a current that is controlled by the power source.

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